

METHOW RIVER BASIN

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12447383 METHOW RIVER ABOVE GOAT CREEK NEAR MAZAMA, WA

LOCATION.--Lat 48°34'32", long 120°23'05", in NE 1/4 SE 1/4 sec.31, T.36 N., R.20 E., Okanogan County, Hydrologic Unit 17020008, on left bank, 0.6 mi upstream from Goat Creek, and 1.5 mi southeast of Mazama, and at mile 63.8.

DRAINAGE AREA.--373 mi².

PERIOD OF RECORD.--April 1991 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,040 ft above sea level, from topographic map. Crest-stage gage since September 1992.

REMARKS.--No estimated daily discharges. Records good. No known regulation. Several diversions for irrigation upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--10 years (water years 1992-2001), 505 ft³/s, 365,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,440 ft³/s June 17, 1999, gage height, 20.56 ft; minimum discharge, no flow for all or part of many days during water years 1992-95, 1997, 1999, 2001.

EXTREMES FOR CURRENT YEAR.--Peak discharge greater than base discharge of 2,500 ft³/s and minimum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 24	2400	*2,840	*17.36	No other peak greater than base discharge.			

Minimum discharge, no flow many days Nov.-Apr., Sept.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	1.7	.00	.00	.00	.00	.00	147	1240	419	62	11
2	15	.88	.00	.00	.00	.00	.00	152	1170	389	60	10
3	13	.27	.00	.00	.00	.00	.00	169	973	361	59	7.8
4	13	1.1	.00	.00	.00	.00	.00	187	828	354	57	5.9
5	12	.74	.00	.00	.00	.00	.00	212	816	353	51	4.4
6	11	.00	.00	.00	.00	.00	.00	213	807	316	46	3.1
7	10	.00	.00	.00	.00	.00	.00	226	757	284	44	1.6
8	8.9	.32	.00	.00	.00	.00	.00	288	753	265	39	.47
9	7.5	.02	.00	.00	.00	.00	.00	376	769	256	34	.00
10	6.5	.00	.00	.00	.00	.00	.00	426	763	246	31	.00
11	5.6	.00	.00	.00	.00	.00	.00	493	682	232	29	.00
12	4.9	.00	.00	.00	.00	.00	.00	668	612	221	29	.00
13	4.0	.00	.00	.00	.00	.00	.00	1090	552	210	29	.00
14	3.4	.00	.00	.00	.00	.00	.00	1190	547	194	29	.00
15	3.3	.00	.00	.00	.00	.00	.00	1050	521	179	27	.00
16	2.9	.00	.00	.00	.00	.00	.00	921	512	164	25	.00
17	5.0	.00	.00	.00	.00	.00	.00	797	506	155	24	.00
18	4.3	.00	.00	.00	.00	.00	.00	708	489	138	23	.00
19	4.1	.00	.00	.00	.00	.00	.00	683	480	125	20	.00
20	6.7	.00	.00	.00	.00	.00	.00	642	517	114	17	.00
21	10	.00	.00	.00	.00	.00	.00	656	608	105	16	.00
22	6.7	.00	.00	.00	.00	.00	.00	1000	660	102	17	.00
23	5.7	.00	.00	.00	.00	.00	.00	1830	603	101	25	.00
24	4.9	.00	.00	.00	.00	.00	.00	2530	519	98	19	.00
25	4.1	.00	.00	.00	.00	.00	.00	2530	460	95	16	.00
26	3.3	.00	.00	.00	.00	.00	.00	2270	406	87	14	.00
27	2.6	.00	.00	.00	.00	.00	13	2050	407	80	12	.00
28	5.7	.00	.00	.00	.00	.00	62	1850	463	71	11	.00
29	5.9	.00	.00	.00	---	.00	95	1460	436	69	12	.00
30	3.3	.00	.00	.00	---	.00	131	1170	417	64	12	.00
31	2.4	---	.00	.00	---	.00	---	1070	---	60	11	---
TOTAL	216.7	5.03	0.00	0.00	0.00	0.00	301.00	29054	19273	5907	900	44.27
MEAN	6.99	.17	.000	.000	.000	.000	10.0	937	642	191	29.0	1.48
MAX	21	1.7	.00	.00	.00	.00	131	2530	1240	419	62	11
MIN	2.4	.00	.00	.00	.00	.00	.00	147	406	60	11	.00
AC-FT	430	10	.00	.00	.00	.00	597	57630	38230	11720	1790	88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2001, BY WATER YEAR (WY)

MEAN	30.7	107	79.1	24.7	15.4	109	588	2047	2086	946	204	41.0
MAX	214	452	523	124	93.3	405	1080	3297	3907	2527	610	102
(WY)	1998	2000	1996	1996	1996	1992	1996	1998	1999	1999	1999	1999
MIN	.000	.000	.000	.000	.000	.000	10.0	937	642	191	29.0	.65
(WY)	1995	1993	1993	1992	1993	1993	2001	2001	2001	2001	2001	1994

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1991 - 2001
ANNUAL TOTAL	162281.13	55701.00	
ANNUAL MEAN	443	153	505
HIGHEST ANNUAL MEAN			798
LOWEST ANNUAL MEAN			153
HIGHEST DAILY MEAN	3030	2530	8460
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
ANNUAL RUNOFF (AC-FT)	321900	110500	365700
10 PERCENT EXCEEDS	1600	549	1800
50 PERCENT EXCEEDS	51	.00	77
90 PERCENT EXCEEDS	.00	.00	.00